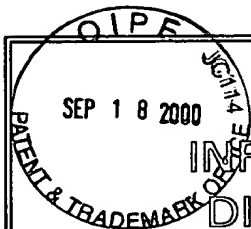


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SHEET 2 OF 4

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Application Number: 09/463,510

Filing Date: January 24, 2000

First Named Inventor:
John P. Hegelson

Group Art Unit: N/A

Examiner Name: N/A

Attorney Docket Number: P98003US; H108US/
13238-00017

UNITED STATES PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	PATENT NUMBER	ISSUE DATE MM-DD-YYYY	FIRST NAMED INVENTOR

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OTHER PRIOR ART - NON-PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
DK	8	Haberlach, G., et al. (1985). Isolation, culture and regeneration of protoplasts from potato and several related <i>Solanum</i> species. Plant Sci 39:67-74.
	9	Helgeson, J.P., et al. (1986). Somatic hybrids between <i>Solanum brevidens</i> and <i>Solanum tuberosum</i> : Expression of a late blight resistance gene and potato leaf roll resistance. Plant Cell Reports 3: 212-214.
	10	Helgeson, J.P., et al. (1993). Sexual Progeny of Somatic Hybrids between Potato and <i>Solanum brevidens</i> : Potential for Use in Breeding Programs. Am. Potato. J. 70:437-452.
	11	Kim-Lee, H., et al. (1993). Identification of somatic hybrids produced by protoplast fusion between <i>Solanum commersonii</i> and <i>S. tuberosum</i> haploids. Korean Soc. of Plant Tissue Culture 20:337-344.
	12	Lam, S.L. (1977). Regeneration of plantlets from single cells in potatoes. Am.Potato J 54:575-580.
	13	McGrath, J.M., et al. (1994). Recombination and introgression of <i>Solanum brevidens</i> DNA in progeny of a somatic hybrid with potato. Amer. Potato J. 71: 686-687
DK	14	McGrath, J.M., et al. (1996). Segregation and recombination of <i>Solanum brevidens</i> syteny groups in progeny of somatic hybrids with <i>S. tuberosum</i> : Intragenomic equals or exceeds intergenomic recombinations. Genetics 142: 1335-1348.

EXAMINER'S SIGNATURE

David J. Kuse

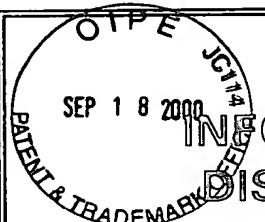
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John P. HegelsonGroup Art Unit: ~~N/A~~ 1638Examiner Name: ~~N/A~~

SHEET 1 OF 4

Attorney Docket Number: E98003US; H108US/
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DK	1 ✓	Austin, S., et al. Transfer of Resistance to Potato Leaf Roll Virus from <i>Solanum brevidens</i> into <i>Solanum tuberosum</i> by Somatic Fusion. (1985). Plant Science 39:75-82.
	2 ✓	Austin, S., et al. (1988). Fertile interspecific somatic hybrids of <i>Solanum</i> : A novel source of resistance to <i>Erwinia</i> soft rot. Phytopathology. 78:1216-1220.
	3	Austin, S., et al. (1993). Interspecific somatic hybrids between <i>Solanum tuberosum</i> and <i>S. bulbocastanum</i> : incorporation of nematode resistance. Am. Potato J. 70:485-495.
	4 ✓	Black, W. and Gallegly, M.E. (1957). Screening of <i>Solanum</i> species for resistance to physiologic races of <i>P. infestans</i> . Am. Potato J. 34:273-281.
	5 ✓	Bonierbale, M.W., et al. (1988). RFLP maps based on a common set of clones reveal modes of chromosomal evolution in potato and tomato. Genetics 120: 1095-1103.
	6	Brown, C.R., et al. (1996). RFLP analysis of resistance to Columbia root-knot nematode derived from <i>Solanum bulbocastanum</i> in a BC2 population. Theor. Appl. Genet. 92:572-576.
DK	7 ✓	Ehlenfeldt, M.K. and Helgeson, J.P. (1987). Fertility of somatic hybrids from protoplast fusions of <i>Solanum brevidens</i> and <i>S. tuberosum</i> . Theor. Appl. Genet. 73:395-402.

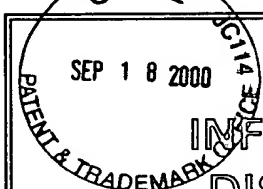
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Group Art Unit: N/A

Examiner Name: N/A

SHEET 3 OF 4

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DK	15 ✓	Novy, R.G. and Helgeson J.P. (1994). Resistance to potato virus Y in somatic hybrids between <i>Solanum etuberosum</i> and <i>S. tuberosum</i> X <i>S. berthaulii</i> hybrid. Theor. Appl. Genet. 89: 783-786.
	16 ✓	Tanksley, S.D., et al. (1992). High density molecular linkage maps of the tomato and potato genomes. Genetics 132: 1141-1160.
	17 ✓	Williams, C.E., et al. (1990). Fertile somatic hybrids of <i>Solanum</i> species: RFLP analysis of hybrid and its sexual progeny from crosses with potato. Theor. Appl. Genet. 80: 545-551.
	18	Williams, J.G.K., et al. (1990). DNA polymorphisms amplified by arbitrary primers are useful as genetic markers. Nucl. Acids Res. 18: 6531-6535.
	19 ✓	Helgeson, et al. (1998). Somatic hybrids between <i>Solanum bulbocastanum</i> and potato: a new source of resistance to late blight. Theoretical and Applied Genetics. 738-742
	20	Thieme, et al. (1997). Production of somatic hybrids between <i>S. tuberosum</i> L. and late-blight resistant Mexican wild potato species. Euphytica. 97:2, 189-200.
DK	21 ✓	Schumann, et al. (1991). Somatic hybridization of <i>Solanum tuberosum</i> L. with <i>Phytophthora</i> -resistant wild potato species. Physiologia Plantarum. 82: A23 Abstract 134.

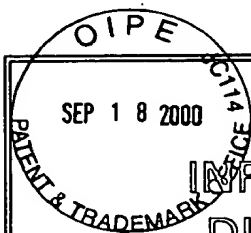
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First Named Inventor:
John P. Hegelson

Group Art Unit:

Examiner Name:

Attorney Docket Number: P98003US; H108US/
13238-00017**UNITED STATES PATENT DOCUMENTS**

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DK	22/ ✓	R.G. Novy, et al. (1994). Somatic Hybrids between Solanum etuberosum and Diploid Tuber Bearing Solanum Clones. Theor Appl Genet. 89:775-782
DK	23 ✓	C.E. Williams, et al. (1993). RFLP Analysis of Chromosomal Segregation in Progeny from an Interspecific Hexaploid Somatic Hybrid Between Solanum Brevidens and Solanum Tuberosum. Genetics 135:1167-1173

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